

IN THE CLAIMS:

Please amend the claims as follows:

5m
A₂ 8. (Amended) The ethylene copolymer as claimed in claim 1,
wherein regio-regularity of the α -olefin of 3 to 20 carbon
atoms, as measured by ^{13}C -NMR, satisfies the following expression
(e-2):

$$T_{\beta\gamma} / (T_{\beta\gamma} + T_{\beta\beta}) \leq 0.30 - 0.0015x \quad (\text{e-2})$$

wherein $T_{\beta\gamma}$ is a peak intensity of a carbon atom having branches
at the β -position and the γ -position in the ^{13}C -NMR spectrum, $T_{\beta\beta}$
is a peak intensity of a carbon atom having branches at both of
the β -positions, and x is an ethylene content (% by mol) in the
polymer.

9. (Amended) The ethylene copolymer as claimed in claim 1,
wherein the molecular weight distribution (M_w/M_n), as measured by
GPC, is in the range of 1.2 to 10.

10. (Amended) The ethylene copolymer as claimed in claim 1,
wherein the molecular weight distribution (M_w/M_n), as measured by
GPC, is in the range of 1.6 to 10.

11. (Amended) The ethylene copolymer as claimed in claim 1,
which satisfies the relational expression $MI_{10}/MI_2 <$

(Mw/Mn) + 5.55.

12. (Amended) The ethylene copolymer as claimed in claim 1, which satisfies the relational expression $MI2 > 19.009 \times (\eta)^{-5.2486}$.

13. (Amended) The ethylene copolymer as claimed in claim 1, wherein the ash content in the ethylene copolymer is not more than 1000 ppm.

14. (Amended) The ethylene copolymer as claimed in claim 1, wherein the titanium element content in the ethylene copolymer is not more than 10 ppm, and/or the zirconium element content in the ethylene copolymer is not more than 10 ppm.

15. (Amended) The ethylene copolymer as claimed in claim 1, which is a copolymer prepared without contact of the reaction solution with water and/or an alcohol in an amount of not less than 1/10 of the weight of the copolymer in a solution state or a semi-precipitation state.

16. (Amended) The ethylene copolymer as claimed in claim 1, which is a copolymer prepared by forming not less than 50 % of chain transfer by the addition of hydrogen.

17. (Amended) A molded product comprising the ethylene

copolymer of claim 1.

18. (Amended) A resin modifier comprising the ethylene copolymer of claim 1.

19. (Amended) A composition comprising the ethylene copolymer of claim 1 and another thermoplastic polymer.

2025-11-10 14:00:00